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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/973,459	10/10/2001	Zoe Ziaka-Vasileiadou	6724		
75	90 08/13/2003				
Zoe Ziaka-Vasileiadou 15549 Dearborn Street			EXAMINER		
North Hills, CA 91343			NGUYEN, TAM M		
			ART UNIT	PAPER NUMBER	
			1764		
			DATE MAILED: 08/13/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

			1	A
•	•	Application No.	Applicant(s)	
Office Action Summer		09/973,459	ZIAKA-VASILEIADOU ET AL.	
	Office Action Summary	Examiner	Art Unit	'
	7 1111	Tam M. Nguyen	1764	
Period fo	The MAILING DATE of this communication app r Reply	ears on the cover sheet w	ith the correspondence add	dress
- Exten after : - If the - If NO - Failur - Any re	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. Issions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, exply received by the Office later than three months after the mailing dipatent term adjustment. See 37 CFR 1.704(b).	86(a). In no event, however, may a within the statutory minimum of thin ill apply and will expire SIX (6) MON	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this cor	nmunication.
1) 🛛	Responsive to communication(s) filed on 10 C	ctober 2001 .		
2a) <u></u>		s action is non-final.	•	
3)□ Dispositio	Since this application is in condition for alloward closed in accordance with the practice under En of Claims	ace except for formal ma	tters, prosecution as to the D. 11, 453 O.G. 213.	merits is
4)⊠ (Claim(s) 1-20 is/are pending in the application.			
	a) Of the above claim(s) is/are withdraw			
	Claim(s) is/are allowed.			
6)⊠ (Claim(s) <u>1-20</u> is/are rejected.			
7) 🗌 (Claim(s) is/are objected to.	•		
8) 🗌 (Claim(s) are subject to restriction and/or	election requirement.		
Applicatio	n Papers	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	ne specification is objected to by the Examiner.			
10)⊠ Tł	ne drawing(s) filed on <u>10 October 2001</u> is/are: a	a)⊠ accepted or b)□ object	ted to by the Examiner.	
	Applicant may not request that any objection to the	drawing(s) be held in abeva	nce. See 37 CFR 1 85(a)	
11)∐ Ir	ne proposed drawing correction filed on i	s: a)□ approved b)□ di	sapproved by the Examiner.	
40) 🗆 🖚	If approved, corrected drawings are required in reply	to this Office action.		
	e oath or declaration is objected to by the Exar	niner.		
	der 35 U.S.C. §§ 119 and 120			
13)∐ A	cknowledgment is made of a claim for foreign p	riority under 35 U.S.C. §	119(a)-(d) or (f).	
a)[_]	All b)☐ Some * c)☐ None of:			
1.	Certified copies of the priority documents h			
	Certified copies of the priority documents h	ave been received in Ap	plication No	
	Copies of the certified copies of the priority application from the International Burea the attached detailed Office action for a list of	documents have been re	eceived in this National Sta	age
14)⊠ Ack	nowledgment is made of a claim for domestic p	riority under 35 U.S.C. &	119/e) (to a provisional on	unline#:\
、a)	The translation of the foreign language provis	ional application has bee	n roccius	piication).
Attachment(s)	25,1100,100		3 120 and/0/ 121.	
2) Notice of 3) Information	References Cited (PTO-892) Draftsperson's Patent Drawing Review (PTO-948) on Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice at last	mmary (PTO-413) Paper No(s) ormal Patent Application (PTO-15	i2)
Patent and Traden O-326 (Rev. 0	nark Office	-		

1) 2) 3) Application/Control Number: 09/973,459

Art Unit: 1764

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "the combined one stream" in line 35. There is insufficient antecedent basis for this limitation in the claim.

Claim 1 recites the limitation "the rejected streams" in lines 33. There is insufficient antecedent basis for this limitation in the claim. It is unclear if the rejection stream is the same as the non-permeate stream.

Claim 1 recites the limitation "the last polymerization reactor" in lines 38-39. There is insufficient antecedent basis for this limitation in the claim.

Claim 11 recites the limitation "the gas flow" in line 8. There is insufficient antecedent basis for this limitation in the claim.

Claim 11 recites the limitation "the adjacent integrated reactor module" in line 12. There is insufficient antecedent basis for this limitation in the claim.

Claim 13 recites the limitation "the gas flow" in lines 3-4. There is insufficient antecedent basis for this limitation in the claim.

Art Unit: 1764

Claim 13 recites the limitation "the adjacent integrated reactor side of the integrated reaction-separation module" in lines 6-7. There is insufficient antecedent basis for this limitation in the claim.

Allowable Subject Matter

Claims 1-20 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

The following is a statement of reasons for the indication of allowable subject matter: The primary reason for allowance is that no prior art of record discloses or renders obvious a process for either dehydrogenation or polymerization by using a membrane reactor as called for in claims 1, 11 and 13.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tam M. Nguyen whose telephone number is (703) 305-7715. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on 703-308-6824. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-5408 for regular communications and (703) 305-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Application/Control Number: 09/973,459

Art Unit: 1764

Page 4

Tam M. Nguyen Examiner Art Unit 1764

TN

August 4, 2003